

LANDSAT MONTHLY UPDATE

July 2002

The Landsat Program is managed by the U.S. Geological Survey under authority established by Presidential Decision Directive NSTC-3.

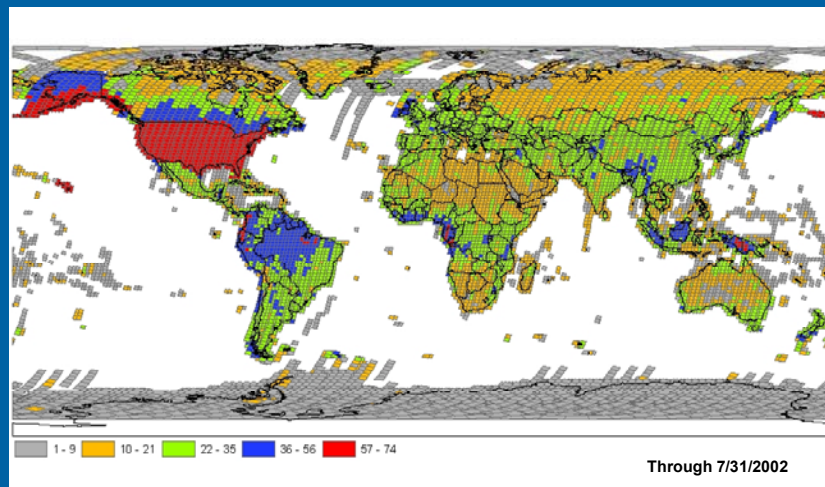
Program News

IGS Metadata

IGS Metadata from Canada, Australia, South Africa, Japan, China, Argentina, Thailand, and Europe continue to be archived successfully. As of July 31, 2002 there were 11,943 L7 IGS subintervals archived for 198,415 Landsat 7 Worldwide Reference System (WRS) scenes. The IGS metadata server was successfully transferred to a new SUN Blade on July 29, 2002. The revisions to the NASA IGS Web page have been completed.

Landsat 7 Global Archive

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A map showing the number and location of Landsat 7 scenes in the US archive.

Landsat 7 Multi-Scene Products Now Available

Landsat 7 L0Rp and Level 1 multi-scene products are now available. Engineers at the EDC completed system upgrades in early July and a public release occurred July 17th. L0Rp products are available in 0.5 to 10 WRS scene equivalents at a cost of \$475 for the first scene and \$200 for each additional scene. Level 1 products are available in 0.5 to 3 WRS scene equivalents at a cost of \$600 for the first scene and \$250 for each additional scene. Customers can order multi-scene products through the EOS Data Gateway at: <http://edcimswww.cr.usgs.gov/pub/imswelcome/plain.html> and by contacting EDC User Services at 800-252-4547 or custserv@usgs.gov

New Landsat Web Site

In August, the Landsat Program will rollout a new Web presence at the current URL, <http://landsat7.usgs.gov/>. The new site combines the content from the current Landsat Program and the Landsat calibration websites and reorganizes the content to simplify navigation and provide faster access. Feedback on the new site will be welcome. Please send your comments to edcweb@edcwww.cr.usgs.gov.

Technical News

Data Validation

During the month of July, the Neustrelitz, Germany and Kiruna, Sweden ground stations provided the USGS with RCC data for their biannual revalidations. Data from both of these stations were validated successfully and found to be of equivalent quality to the corresponding data residing at the USGS/EROS Data Center. The Maspalomas, Spain ground station was scheduled for their biannual revalidation in July; however, they are waiting for a software update. The Maspalomas station has recently shipped their RCC data to the USGS.

Documentation and software tools are currently being created and tested in support of the L1G product validation efforts.

Development of the raw data subsetter (RDS) at the USGS/EROS Data Center is in progress at this time. Completion of the RDS is expected at the end of calendar year 2002.

EDC Ground Station Re-Engineering Completed

The EDC engineering and operations staff recently completed a major, two-year ground architecture re-engineering project. The Landsat Program sponsored this re-engineering effort to accomplish several goals:

1. Lower Program maintenance costs by installing new, maintainable computer hardware.
2. Separate data capture, archive processing, and archiving functions to increase flexibility.
3. Implementing a simple, deployable capture system to support contingency capture operations.
4. Automating the archiving of Raw Computer Compatible and L0Ra data and the distribution of L0Rp data through the use of a StorageTek near line silo based system.
5. Positioning the architecture to support additional missions.

During July, the Re-Engineering Team completed final testing and operations verification activities along with a formal operations readiness review. All re-engineering goals have now been met and the project has ended. The new architecture has reduced the time to prepare Landsat 7 data for archiving and customer order by 75%, along with reducing operator workload.

Meetings

LGSOWG Meeting

The #31 Landsat Ground Stations Operations Working Group (LGSOWG) meeting will be held in Matera, Italy, October 14-18, 2002. Please note the change in dates from previous notes.

Related News

Earth as Art Exhibits

The USGS/NASA sponsored exhibit, "The Earth as Art: A Landsat Perspective," continues to draw general public attention to the Landsat Program. The U.S. Library of Congress has opened a permanent exhibit based on the 41 images. In celebration of the 30th anniversary of the Landsat Program, U.S. Senator Tom Daschle hosted a showing of the images in a Senate Office building, and a number of the images are being displayed at the NASA Goddard Space Flight Center Visitor Center.

The Landsat monthly update is an informal communication tool, prepared monthly and distributed electronically to USGS Landsat partners, to provide information about Landsat activities and related topics of interest. Comments, corrections, and queries may be directed to Ronald Beck, USGS Landsat team, at the following e-mail address: beck@usgs.gov.

**U.S. Department of the Interior
U.S. Geological Survey**